## AMENDMENTS TO THE CLAIMS

1. (Currently Amended) An apparatus for detecting flaws in a wafer comprising:

a detection platform holding a wafer thereon for detecting;

a cross-bar ultrasonic detection device positioned above said detection platform for emitting and receiving an ultrasonic wave reflected by the wafer, a width of said ultrasonic detection device being wider than or equal to a radius of said wafer; and

a microprocessor for processing said reflected ultrasonic and transmitting to a monitor; whereby detecting flaws in said wafer.

- 2. (Currently Amended) An-The apparatus for detecting flaws in a wafer according to claim 1, wherein said detection platform is a robot arm for holding and drawing said wafer.
- 3. (Currently Amended) AnThe apparatus for detecting flaws in a wafer according to claim 1, wherein said detection platform is a chamber-module detection platform having a pad for carrying said wafer, and a table for carrying said pad.

- 4. (Currently Amended) An-The apparatus for detecting wafer flaw according to claim 3, wherein said pad is formed with a pair of guiding tracks for guiding said ultrasonic detection device.
- 5. (Currently Amended) An-The apparatus for detecting flaws in a wafer according to claim 1, wherein said ultrasonic detection device has a transducer positioned above said detection platform, and a pair of supporting portion connected with two ends of the transducer, said transducer having an emitting portion and a receiving portion mounted therein.
- 6. (Currently Amended) An-The apparatus for detecting flaws in a wafer according to claim 5, further comprising a sensor mounted in the transducer or the supporting portions for sensing an incoming and outgoing of said wafer and transmitting a begging beginning or an-end message to said microprocessor.
- 7. (Currently Amended) An-The apparatus for detecting flaws in a wafer according to claim 1, wherein frequencies of said ultrasonic wave emitted by said ultrasonic detection device are between one hundred million and five thousands million hertz.

## 8. (Cancelled)

9. (Currently Amended) A method for detecting flaws in a wafer comprising the steps of:

providing a detection apparatus which comprises a detection platform for holding a wafer thereon, a cross-bar ultrasonic detection device positioned above said detection platform, and a microprocessor, a width of said ultrasonic detection device being wider than or equal to a radius of said wafer;

emitting an ultrasonic wave toward a surface of said wafer and receiving a reflected wave from a bottom or a flaw in said wafer;

transmitting said reflected ultrasonic wave to said microprocessor and processing said reflected ultrasonic wave;

determining if said wafer has any flaw for marking the flawed wafer via said microprocessor; and

providing a sensor for inspecting if said wafer is transferred to an end thereof for controlling a detecting sequence.

- 10. (Currently Amended) A The method for detecting flaws in a wafer according to claim 9, further comprising the step of beeping when detecting said wafer has flaw.
- 11. (Currently Amended) A The method for detecting flaws in a wafer according to claim 9, wherein said cross-bar ultrasonic detection device is positioned above said wafer.
- 12. (Currently amended) A The method for detecting flaws in a wafer according to claim 9, wherein said ultrasonic detection device has an emitting portion and a receiving portion mounted therein.
  - 13. (New) An apparatus for detecting flaws in a wafer comprising: a detection platform holding a wafer thereon for detecting;
- a cross-bar ultrasonic detection device positioned above said detection platform for emitting an plane ultrasonic wave and receiving the ultrasonic wave reflected from the wafer; and
- a microprocessor for processing said reflected ultrasonic and transmitting to a monitor; whereby detecting flaws in said wafer.

- 14. (New) The apparatus for detecting flaws in a wafer according to claim 13, wherein said detection platform is a robot arm for holding and drawing said wafer.
- 15. (New) The apparatus for detecting flaws in a wafer according to claim 13, wherein said detection platform is a chamber-module detection platform having a pad for carrying said wafer, and a table for carrying said pad.
- 16. (New) The apparatus for detecting wafer flaw according to claim 15, wherein said pad is formed with a pair of guiding tracks for guiding said ultrasonic detection device.
- 17. (New) The apparatus for detecting flaws in a wafer according to claim 13, wherein said ultrasonic detection device has a transducer positioned above said detection platform, and a pair of supporting portion connected with two ends of the transducer, said transducer having an emitting portion and a receiving portion mounted therein.
- 18. (New) The apparatus for detecting flaws in a wafer according to claim 17, further comprising a sensor mounted in the transducer or the

supporting portions for sensing an incoming and outgoing of said wafer and transmitting a beginning or end message to said microprocessor.

- 19. (New) The apparatus for detecting flaws in a wafer according to claim 13, wherein frequencies of said ultrasonic wave emitted by said ultrasonic detection device are between one hundred million and five thousands million hertz.
- 20. (New) The apparatus for detecting flaws in a wafer according to claim 13, wherein a width of said ultrasonic detection device is wider than or equal to a radius of said wafer.